

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Toshiharu Furukawa et al. : Date: January 28, 2004

Group Art Unit: Unassigned : IBM Corporation

Examiner: Unassigned : Intellectual Property Law

Serial No.: 10/732,951 : Dept. 917, Bldg. 006-1

Filed: December 11, 2003 : 3605 Highway 52 North

Title: SELECTIVE SYNTHESIS OF : Rochester, MN 55901-7829

SEMICONDUCTING CARBON

NANOTUBES

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants request that the information listed on the attached Form PTO/SB/08A be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. §1.97. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standard of materiality defined in 37 C.F.R. §1.56(b), enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. §1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with

Serial No. 10/732,951

Docket No. ROC920030269US1

37 C.F.R. §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed under 37 C.F.R. §1.97(b)(1) within three months of the filing date of the present application. Accordingly no filing fee is required.

Date: January 28, 2004

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January 28, 2004

(Date of Deposit)

Debra A. Peterson

Respectfully submitted,

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 4

Application Number.:

December 11, 2003

Filing Date: First Named Inventor:

Toshiharu Furukawa

Art Unit:

Unassigned

Examiner Name:

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10/732.951

Attorney Docket Number.:

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U.S. PATENT DOCUMENTS

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Examiner Initials*	Cite No.1	Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear
		US - 6.423.583 B1	07-23-2002	Avouris et al.	
		US - 6.515.325 B1	02-04-2003	Farnworth et al.	
	\ \	US - 2003/0168683 A1	09-11-2003	Farnworth et al.	
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Examiner Signature	Date Considered	
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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and or country where published.	T ²
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¹ Applicant's unique citation designation number (optional).

² Applicant is to place a check mark here if English language translation is attached.

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Attorney Docket Number.:

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and or country where published.	T ²
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Examiner Signature	I Date Considered I	
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		B. ZHENG et al., "Efficient CVD Growth of Single-Walled Carbon Nanotubes on Surfaces Using Carbon Monoxide Precursor," Nano Letters, xxxx, Vol. 0., No. 0, A-D, xxxx American Chemical Society, received June 4, 2002, revised June 26, 2002.	
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		"IBM Scientists Develop Carbon Nanotube Transistor Technology," IBM.com News, news report concerning work published in Science, Vol. 292, Issue 5517, April 27, 2001 entitled "Engineering Carbon Nanotubes and Nanotube Circuits Using Electrical Breakdown" by Phaeton Avouris et al.	
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